

FIG. 1

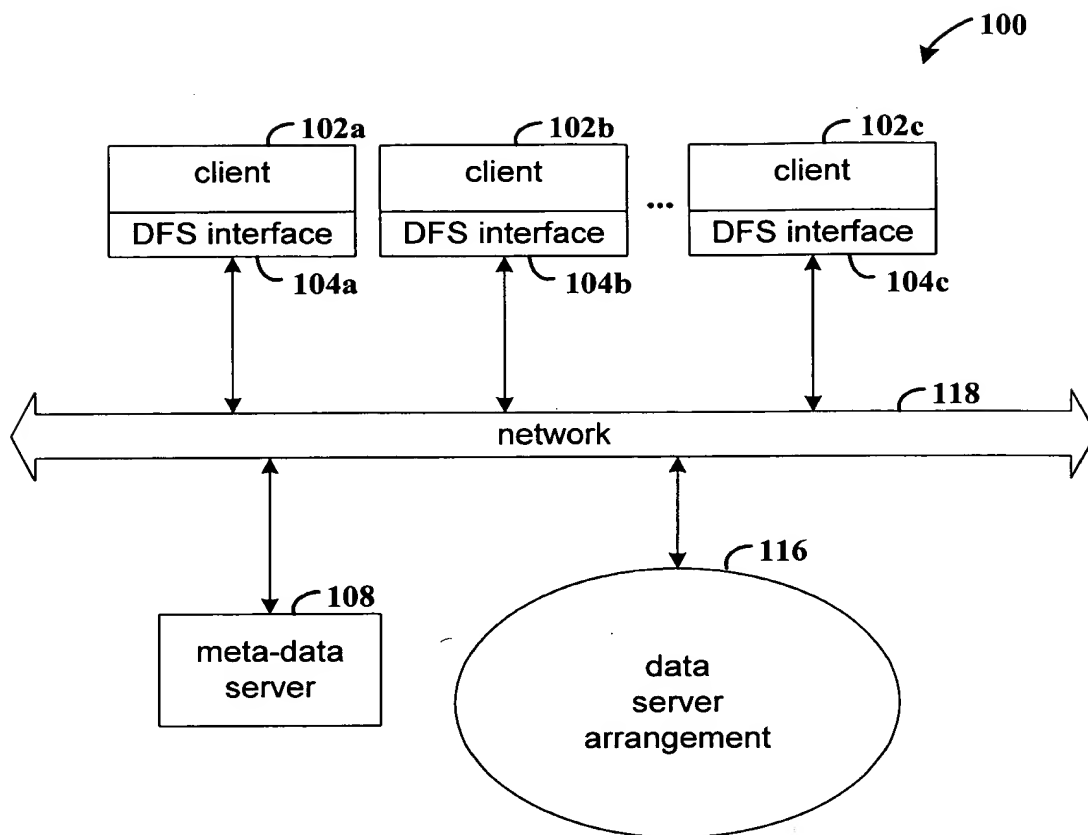


FIG. 1

The diagram illustrates a sequence of events across four lifelines: client A, meta-data server, storage server, and client B. The vertical axis represents time, with markers T1 through T10. A horizontal dashed line separates the top section (T1-T5) from the bottom section (T5-T10).

- client A** (leftmost lifeline) has a wavy line at the top and bottom.
- meta-data server** (second lifeline) has a wavy line at the top.
- storage server** (third lifeline) has a wavy line at the top.
- client B** (rightmost lifeline) has a wavy line at the top and bottom.

Events and Messages:

- T1:** client A sends **lease request** to meta-data server.
- T2:** meta-data server sends **lease** to client A.
- T3:** client A sends **write** to storage server.
- T4:** (Horizontal dashed line)
- T5:** client B sends **lease request** to meta-data server.
- T6:** meta-data server sends **lease** to client B.
- T7:** client B sends **write** to storage server.
- T8:** storage server sends **response** to client B.
- T9:** (Horizontal dashed line)
- T10:** storage server sends **response** to client A.

A vertical arrow on the left labeled **time** points downwards.

FIG. 2

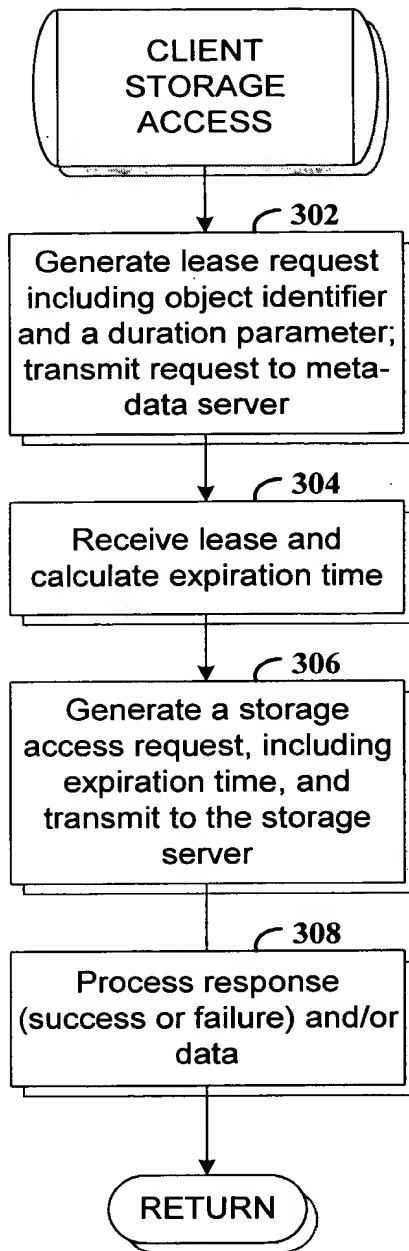


FIG. 3

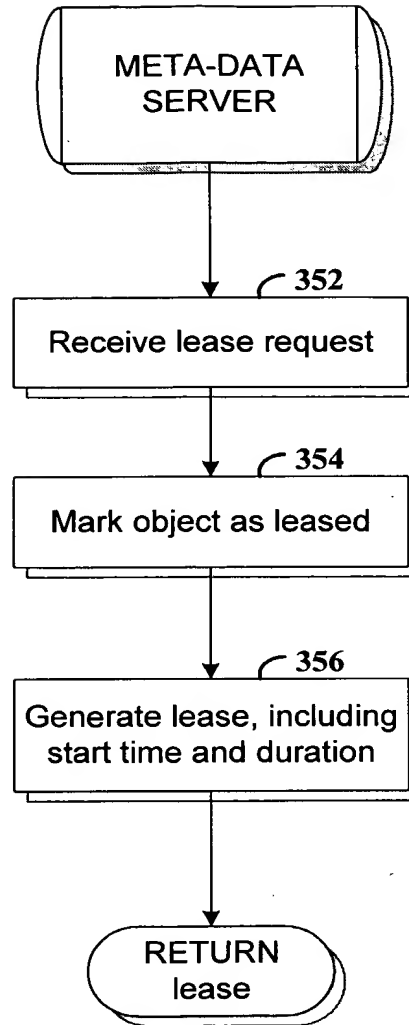


FIG. 4

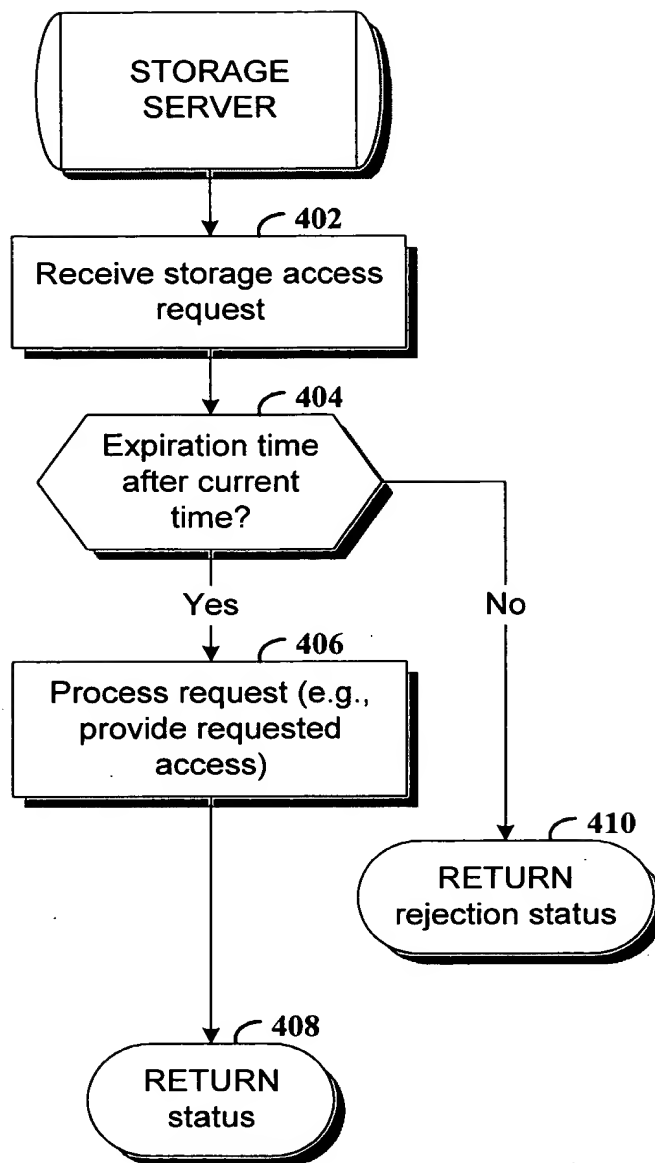


FIG. 5